

60,429,182

<= a > GETS A SHEET OF QWIKI-PAK

NOV. 2003

## INTRODUCTION

The following report is based on an invention called Qwiki-Pak as described by its inventor, Karen Huff. Karen Huff based on information provided by the research department and research consultants assigned to the project has prepared this report.

The Qwiki-Pak is a simple and effective product designed as a box or theme packaging which is divided to hold several different items all in one theme or box. This product can be used to hold beverages or other types of products. The product is ideal for use at sporting events, school supplies, picnic, adult kits, personal care kits, and High alert systems and different types of beer or soda in the same box.

The Qwiki-Pak comes in various shapes such as a triangle, square, or oblong cylinder. The product is made to hold twelve, six and three packs of varying items such as beverages, books, school supplies, candy or whatever the consumer wishes to use the product. The product consists of a handle for easy portability.

The Qwiki-Pak is a packaging system capable of combining many different products in one box or theme rather than all the same product in one box. Boxes could be made from cardboard and later discarded, or they could be made of plastic and be reused by the consumer.

## ADVANTAGES OF THE QWIKI-PAK

The Qwiki-Pak efficiently divides and holds items in various categories.

The Qwiki-Pak is an ideal way to organize items.

The Qwiki-Pak keeps items from spilling.

The Qwiki-Pak will be used to provide the school children with all the items they will need for that grade and age level they will be attending all in one book-bag or box.

The Qwiki-Pak will provide the convenience of enabling shopping in less time.

## DISADVANTAGE

The disadvantage of the Qwiki-Pak would be the competition of the market place.

Qwiki-Pak has a theory for the competition using the pricing strategy.

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<= 1> TITLE: Qwiki-Pak

Nov. 21, 2003

Method and apparatus for forming six-pack, 12 packs, 24&36 packs and School pack, picnic pack, birthday pack, adult pack, H, A.S pack, personal Care pack.

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ASSIGNEE-AT-ISSUE: Karen Lawhorn Huff

APPL-NO:

FILED: Nov. 21, 2003

FOR-PRIOR: Nov 26, 2000

REL-US-DATA:

Continuation of Ser. No. 955,827, Oct.30, 1978 now abandoned

INT-CL: [3] B65B 35#30

US-CL: 53#531; 53#209; 198#419.1

CL: 53; 198

SEARCH-FLD: 198# 425, 487, 491,461, 420, 577, 740; 53# 48, 147, 153, 443, 448, 531, 543, 209

REF-CITED:

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U.S. PATENT

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FOREIGN PATENT

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<=2> Get 2<sup>rd</sup> SHEET OF QWIKI-PAK

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ABST:

A carrier for supporting a plurality of different items in spaced apart relationship to permit the items to be carried and transported in a unitary manner. The carrier includes a divider or without a divider having a plurality of notches formed therein that each divider will hold the item to a periphery of the carrier. Each of the notches is configured to retain the items. Easy handle to facilitate grasping and carrying. A Carrier that will contain all school supplies, picnic supplies, birthday supplies, adult supplies, personal supplies, 2-3 liter container all in one theme package or box or plastic. A handle assembly is provided for use with cartons having vertical tabs extending above the carton for the 2-3 liters carrier. This handle will extending above the carton.

LEGAL-REP: John Pond

CORE TERMS: Container, boxes, theme packaging, book-bags, clear plastic, holder, pivot, segment, ring, engaging, plane, connecting, pivotal, juncture, handle, dividers,

NO-OF-CLAIMS: 2

EXMPL-CLAIM: <=1> 2

NO-OF-FIGURES: 7

NO-DRWNG-PP: 4

PARCASE:

SUM:

DETDESC:

CROSS REFERENCE TO OTHER APPLICATIONS:

Repeat use of reference characters in the present specification and drawings is intended to represent same or analogous features or elements of the invention. But not limited to.

This invention relates generally to item carriers and more particularly to a carrier for relatively large items such as school items-picnic items-happy birthday items-adult items-personal items and much more.

Containers of the kind with which this invention is concerned are widely used to package a great variety of items for commercial sale.

Owing to increasing consumer interest in purchasing bulk quantities of many consumer products, because of the monetary savings involved,

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<=3> GET 3<sup>rd</sup> SHEET OF QWIKI-PAK

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Method and apparatus for filling of cartons and tray packages which will contain many different items in those cartons or tray packaging.

#### BACKGROUND OF THE INVENTION

This invention relates to a method and apparatus for feeding groups of objects particularly school items, picnic items, adult items, birthday items, high alert items and personal care items all in the same carton or plastic carton.

Several modifications and design considerations for the Qwiki-pak might prove to be of interest to the developer. For instance, consideration might be given to a version that is made of plastic reusable carton or book-bags, theme packaging, ect.

The design parameters for this product are amenable to current production processes and tooling, and the materials specified are commonly available on the commercial level. Due to the QWIKI-PAKS very simple components, it should be no problem to produce from any technical standpoint, and existing assembly lines could be easily adapted for its speedy manufacture well as explore possible variations and modifications to further improve the design of the product.

#### SUMMARY OF THE INVENTION

The basic purpose of the invention is to provide a method and apparatus by means of which a careful handling of the objects is assured together with high performance and correspondingly high periodic transport speeds of the items.

Packaging can also accommodate different brands and flavors of soft drinks/beerr rather than just having one kind.

Various configurations for kits dividers are removable and can be rearranged to accommodate other kits such as sports events, party kits, ect.

#### DRWDESC:

#### BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings;

FIG.1 is a simplified side view of a picnic pak

FIG.2 is a plan view of various configuration personal care kits

FIG.3 is a plan view of various configurations of school kits.

FIG.4 would be the happy birthday kits

FIG.5 would be the high alert system kit

FIG. 6 is a simply view of the 2-3 liter carrier

FIG. 7 is a view of the soda's and beer carriers

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Method and apparatus for filling of theme packaging and carton packaging that will contain several different items all in one package.

#### DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring now in more detail to the preferred inventive embodiment illustrated in the drawings, each carrier features whose functions will be explained presently. The carrier is relatively flat and has dividers that will ultimately separate each item in the carton. The carton can have various configurations for "Kits" dividers are removable and can be rearranged to accommodate other kit ideas, such as adult party kit or child party kit, personal care kits or school kits. The Qwiki-pak is a packaging system capable of combining many different products in one box, bag, book-bag or theme package rather than all the same product in one box.

Boxes could be made from cardboard and later discarded, or they could be made of plastic and be reused by the consumer. Packaging can also accommodate different brands and flavors of soft drinks/beer rather than a container having just one kind. Comes in various shapes such as a triangle, square, or oblong cylinder. The product is made to hold varying items such as beverages, food, books, school items, candy or whatever the consumer wishes to organize and store. The product consists of a handle for easy portability. As discussed the design parameters for this product are amenable to current production processes and tooling, and the materials specified are commonly available on the commercial level. Can be used for a plethora of organizational needs. Considerations for the Qwiki-pak might prove to be of interest to the developer. For instance, consideration might be given to a version that is made of wood.

FIGS. [ 6 ] Another carrier 100 according to the invention is illustrated in FIG.6. Carrier 100 includes plate 120 and handle 160 that is defined by semicircular cutouts formed in plate 120. The carrier can have a width that is wide enough to accept the neck portion of the bottle. Alternatively, width can be slightly less than the width of the neck portion and at least part of extending neck portions. 160 will have sufficient rigidity to support the bottles when the carrier is lifted by the handle 160. With one or more bottles secured in respective notches 28,24,23 carrier 100 can be lifted by handle 160 to permit convenient carrying of bottles or other containers.

FIGS. [ 7 ] Applicant has found that a diameter of approximately 6" will permit most common bottles to be held closely together in the carrier. However, the size and shape of the bottle (can) carrier and the size and shape of the notches 8, 12, 14 formed therein can be adjusted to accommodate any type of can or bottle. Other containers can hold any quantity of cans or bottles. Also, the handle can assume any suitable configuration that facilitates grasping and carrying by the user with one hand or two hands. The carrier can be made of any suitable material; an injection molded thermosetting resin for example. The carrier can be used to carry water bottles; milk, juice, sodas, beer bottles or cans or any other appropriate container. The plate can be of any shape, but is preferably of a flat unitary, i.e., and one piece, construction. The notches 8,12, 14 can be formed in any manner or appropriate shape. Any portion of the can or bottle can be engaged with or supported by the carrier. This box carrier can provide different types of beer or soda in the same box.

FIGS. Another packaging according to the invention is illustrated on SHEET 2 of 4. A packaging system that is wide enough to accept school items, birthday items, personal care items and the high alert items all in the same package. Alternatively width can be adjusted to accommodate all products. However, the shape and size of plate 44- 47 the box packaging formed therein can be adjusted for any type of usage. It is another object of the invention to facilitate carrying packages or other packages with a reusable package

made up of plastic. The handle can be somewhat flexible to permit the width of the portion of the size and shape of the package.

The invention has been described through preferred embodiments. However, various modifications can be made without departing from the scope of the invention as defined by the appended claims.

CLAIMS; What is claimed is:

[\*1] 1. A carrier for supporting a plurality of cans or bottles in space apart relationship to permit said containers to be carried and transported in a unitary manner, said carrier comprising. The box carrier will provide the beer and soda industry to mixed their beverages all in the same box. This 3 liter soda carrier will allow easy transport for the consumer.

(a) A handle defined on said plate and having first and second end portions Said first end portion being attached to one of said extending portions and said second end portion being attached to another of said extending portions. Said handle extending beyond said notches in a radial direction of said plate.

(b) The carrier of claim 1 wherein said support ribs are annular.

(c) The carrier of claim 1 which is formed of a flexible material.

[\*2] A packaging system that will accommodate all items that is needed for kits such as:

(a) A package that will hold various items such as: Birthdays

(b) A package that will hold various items such as: High Alert

(c) A package that will hold various items such as: Adult kits

(d) A package that will hold various items such as: Personal care kits

(e) A package that will hold various items such as: Picnics

(f) A package that will hold various items such as: School

The terms and expressions which have been employed in the foregoing specification are used therein as terms of description and not of limitation, and there is no intention in the use of such terms and expressions, of excluding equivalents of the features shown and described or portions thereof, it being recognized that the scope of the invention is defined and limited only by the claims which follow.